

LA-UR-18-30883

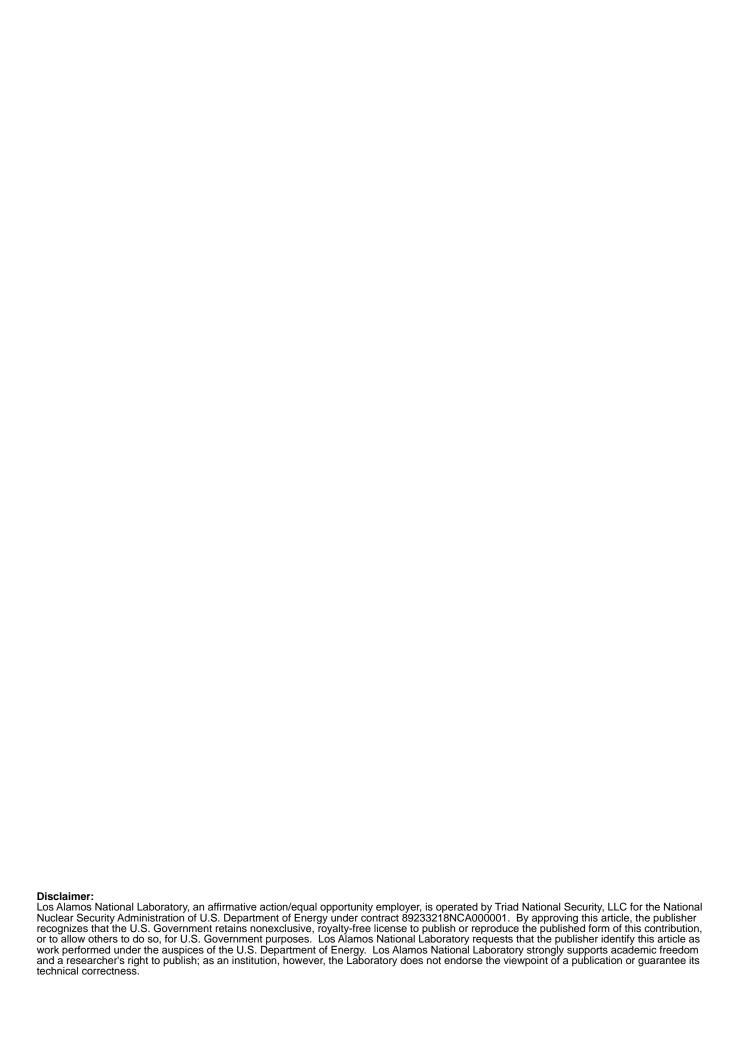
Approved for public release; distribution is unlimited.

Title: Ignition Systems in Deflagration to Detonation

Author(s): Blog, Sarah Linda

Intended for: Report

Issued: 2018-11-15



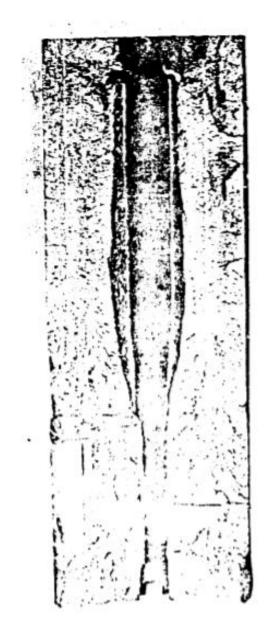
Ignition Systems in Deflagration to Detonation

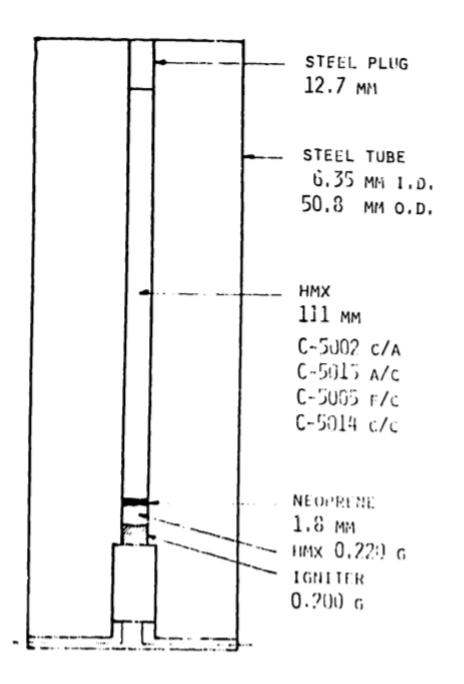
Comparing Glow-Plug Ignition to Thermite-Aided Ignition

What I did on my summer vacation
Sarah Blog

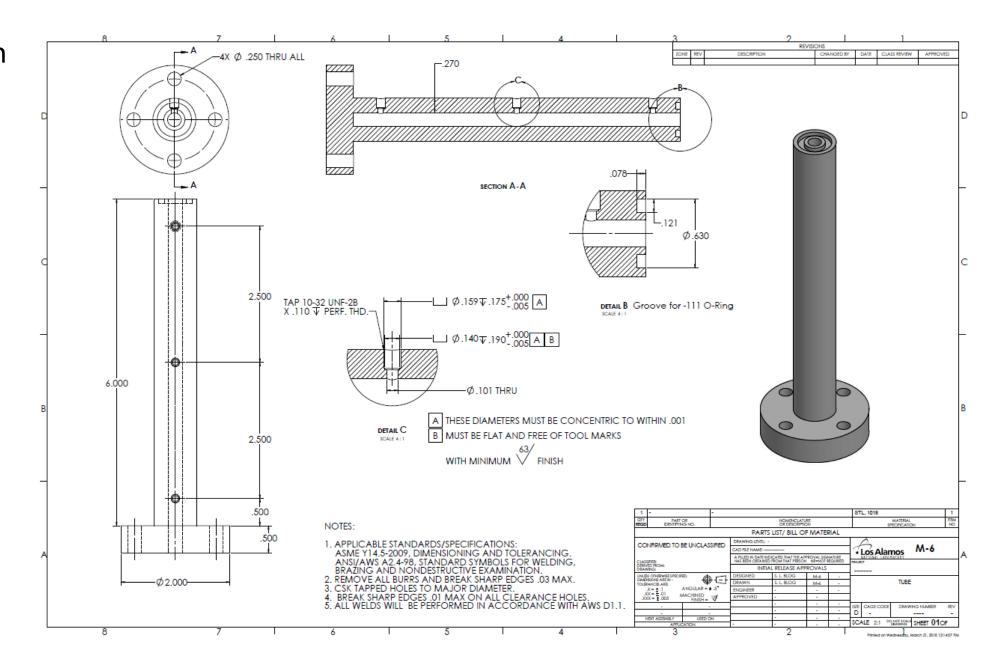
Background: DDT Tube

<u>Video</u>

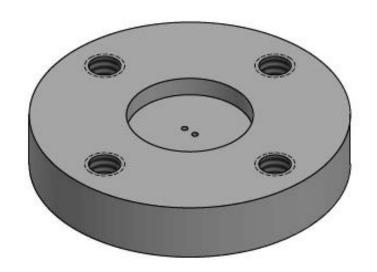


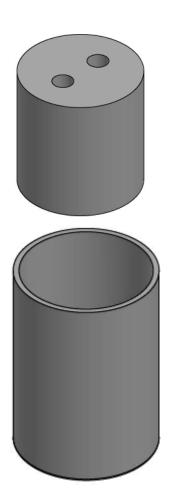


Initial Design

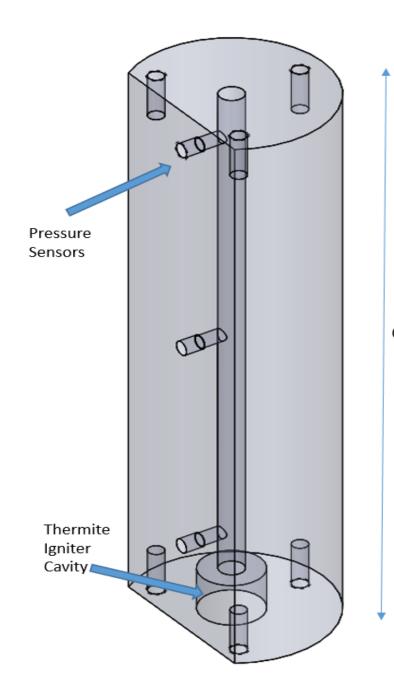


- Aluminum cup was too thick
- Assembly did not fit enough thermite
- Shorting across metal cap





Modified Design





6.5 in

